```
* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:25:56 ON 19 JUN 2001

=> file reg

COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
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STRUCTURE FILE UPDATES:   17 JUN 2001  HIGHEST RN 341968-50-1
DICTIONARY FILE UPDATES:  17 JUN 2001  HIGHEST RN 341968-50-1

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Structure search limits have been increased.  See HELP SLIMIT
for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end


=>
Uploading c:\stnexp4\queries\319.str

L1       STRUCTURE UPLOADED

=> que L1

L2   QUE L1

=> d

L2 HAS NO ANSWERS
L1                    STR
```
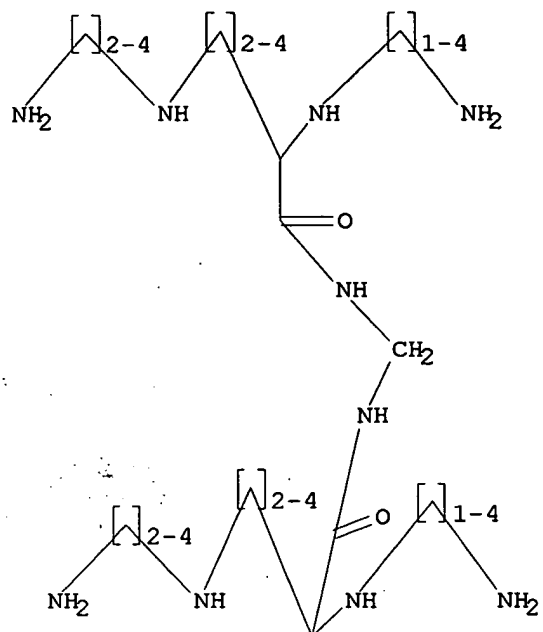
NH_2 2-4 2-4 NH 2-4 NH NH_2 1-4

(chemical structure with branches labeled 2-4, 2-4, 1-4 terminating in NH_2, NH, NH, NH_2; central carbon bearing =O, connected via NH to CH_2, then NH to a second branched system labeled 2-4, 2-4, 1-4 with =O, terminating in NH_2, NH, NH, NH_2)

NH_2 2-4 2-4 NH NH 1-4 NH_2

Structure attributes must be viewed using STN Express query preparation.
L2   QUE   L1

=> s l2

SAMPLE SEARCH INITIATED 10:26:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   16 TO ITERATE

100.0% PROCESSED   16 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 80 TO   560
PROJECTED ANSWERS: 0 TO   0

L3   0 SEA SSS SAM L1

=> s l2 ful

FULL SEARCH INITIATED 10:26:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   252 TO ITERATE

100.0% PROCESSED   252 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.04

L4   0 SEA SSS FUL L1

```
* * * * * * * * * * * * * STN   Columbus   * * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:28:04 ON 19 JUN 2001

=> file reg

COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST              .                   0.15          0.15

FILE 'REGISTRY' ENTERED AT 10:28:11 ON 19 JUN 2001
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STRUCTURE FILE UPDATES:   17 JUN 2001   HIGHEST RN 341968-50-1
DICTIONARY FILE UPDATES:  17 JUN 2001   HIGHEST RN 341968-50-1

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

  Please note that search-term pricing does apply when
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Structure search limits have been increased.  See HELP SLIMIT
for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end


=>
Uploading c:\stnexp4\queries\319.str

L1       STRUCTURE UPLOADED

=> que L1

L2    QUE L1

=> d

L2 HAS NO ANSWERS
L1                   STR
```
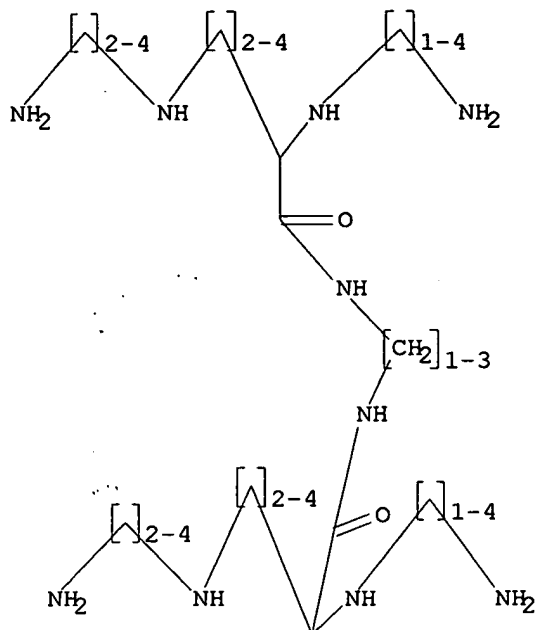
The structure diagram at top contains the following labels:

$[\ ]_{2-4}$ $[\ ]_{2-4}$ $[\ ]_{1-4}$

NH_2 NH NH NH_2

$=O$

NH

$[CH_2]_{1-3}$

NH

$[\ ]_{2-4}$ $[\ ]_{2-4}$ $=O$ $[\ ]_{1-4}$

NH_2 NH NH NH_2

Structure attributes must be viewed using STN Express query preparation.
L2   QUE L1

=> s l2

SAMPLE SEARCH INITIATED 10:28:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12192 TO ITERATE

   8.2% PROCESSED   1000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.05

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 237241 TO   250439
PROJECTED ANSWERS: 0 TO   0

L3   0 SEA SSS SAM L1

=> s l2 ful

FULL SEARCH INITIATED 10:29:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 244253 TO ITERATE

100.0% PROCESSED 244253 ITERATIONS   2 ANSWERS
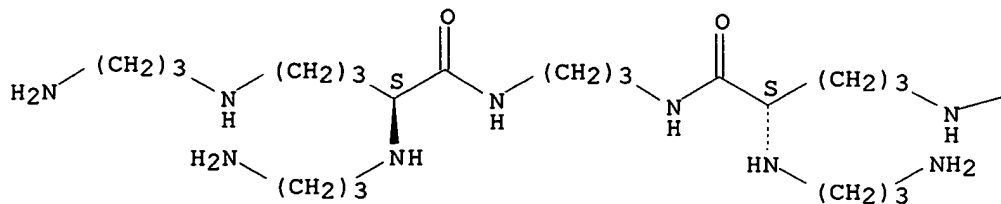SEARCH TIME: 00.00.20

L4   2 SEA SSS FUL L1
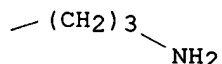
=> d l4 1-2

L4   ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS
RN   247187-63-9   REGISTRY
CN   Pentanamide, N,N'-1,3-propanediylbis[2,5-bis[(3-aminopropyl)amino]-,
      (2S,2'S)- (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C25 H58 N10 O2
SR   CA
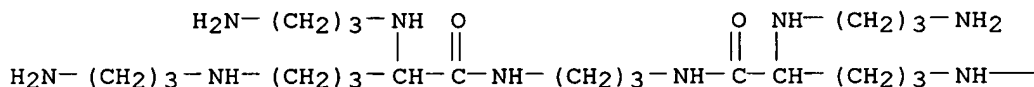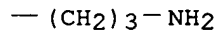
Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

```
L4   ANSWER 2 OF 2  REGISTRY  COPYRIGHT 2001 ACS
RN   206760-67-0  REGISTRY
CN   Pentanamide, N,N'-1,3-propanediylbis[2,5-bis[(3-aminopropyl)amino]- (9CI)
     (CA INDEX NAME)
FS   3D CONCORD
MF   C25 H58 N10 O2
SR   CA
LC   STN Files:   CA, CAPLUS, TOXLIT, USPATFULL
```

PAGE 1-A

PAGE 1-B

2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	137.18	137.33

FILE COVERS 1947 - 19 Jun 2001 VOL 134 ISS 26
FILE LAST UPDATED: 18 Jun 2001 (20010618/ED)

   This file contains CAS Registry Numbers for easy and accurate
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=> s 14

L5   3 L4

=> d 15 1-3

L5   ANSWER 1 OF 3 CAPLUS COPYRIGHT 2001 ACS
AN   2000:401776 CAPLUS
DN   133:38223
TI   Polyamine amide derivative transport inhibitors, their preparation, and
      their therapeutic and diagnostic use
IN   Poulin, Richard; Audette, Marie; Charest-Gaudrealt, Rene
PA   Universite Laval, Can.; Ilex Oncology, Inc.
SO   PCT Int. Appl., 111 pp.
      CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
      PATENT NO.   KIND DATE   APPLICATION NO.   DATE
      ---------------   ---- --------   ---------------   --------
PI   WO 2000034226   A1   20000615   WO 1998-US26493 19981210
         W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK,
             EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS,
             LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,
             SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
      AU 9919988   A1   20000626   AU 1999-19988   19981210
PRAI WO 1998-US26493   A   19981210
OS   MARPAT 133:38223
RE.CNT 2
RE

(1) Audette, M; WO 9817623 A 1998 CAPLUS
(2) Hubert, M; Journal of Biological Chemistry 1996, V271(44), P27556

```
L5     ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2001 ACS
AN     1999:691066  CAPLUS
DN     131:307091
TI     Polyamine transport inhibitors, their preparation, and their therapeutic
       use
IN     Poulin, Richard; Audette, Marie; Charest-Gaudrealt, Rene
PA     Universite Laval, Can.; Ilex Oncology, Inc.
SO     PCT Int. Appl., 115 pp.
       CODEN: PIXXD2
DT     Patent
LA     English
FAN.CNT 1
       PATENT NO.         KIND  DATE           APPLICATION NO.   DATE
       --------------     ----  --------       ---------------   --------
PI     WO 9954283         A1    19991028       WO 1998-US7806    19980421
           W:  AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,
               ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT,
               LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
               SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG,
               KZ, MD, RU, TJ, TM
           RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
               FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
               CM, GA, GN, ML, MR, NE, SN, TD, TG
       AU 9871316         A1    19991108       AU 1998-71316     19980421
       EP 1003715         A1    20000531       EP 1998-918385    19980421
           R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
               IE, FI
PRAI   WO 1998-US7806              19980421
OS     MARPAT 131:307091
RE.CNT  6
RE
```

(1) Ask, A; Cancer Letters 1993, V69, P33 CAPLUS
(2) Audette, M; WO 9817623 A 1998 CAPLUS
(3) Aziz, K; Journal of Pharmacology and Experimental Therapeutics 1995,
    V274(1), P181
(4) Aziz, S; US 5456908 A 1995 CAPLUS
(6) Univ New York; WO 9312777 A 1993 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5     ANSWER 3 OF 3  CAPLUS  COPYRIGHT 2001 ACS
AN     1998:268467  CAPLUS
DN     128:321804
TI     Preparation of spermine analogs for use as polyamine transport inhibitors
IN     Poulin, Richard; Audette, Marie; Charest-Gaudrealt, Rene
PA     Universite Laval, Can.; Poulin, Richard; Audette, Marie;
       Charest-Gaudrealt, Rene
SO     PCT Int. Appl., 86 pp.
       CODEN: PIXXD2
DT     Patent
LA     English
FAN.CNT 1
       PATENT NO.         KIND  DATE           APPLICATION NO.   DATE
       --------------     ----  --------       ---------------   --------
PI     WO 9817623         A2    19980430       WO 1997-IB1651    19971022
       WO 9817623         A3    19980903
           W:  AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,
               ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT,
               LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
               SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG,
               KZ, MD, RU, TJ, TM
           RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
               GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
               GN, ML, MR, NE, SN, TD, TG
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        US 6083496         A    20000704    US 1996-735130    19961022
        CA 2241339         AA   19980430    CA 1997-2241339   19971022
        AU 9857752         A1   19980515    AU 1998-57752     19971022
        EP 876327          A2   19981111    EP 1997-953991    19971022
            R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI
PRAI US 1996-735130        A    19961022
     WO 1997-IB1651        W    19971022
OS   MARPAT 128:321804


=> file caold

COST IN U.S. DOLLARS                              SINCE FILE       TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  3.03         140.36

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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

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  printed between 1907-1966 are available in the PAGE
  display formats.

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=> s 14

L6          0 L4

=> file beil

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                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  0.31         140.67

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FILE LAST UPDATED: 6 MAR 2000

FILE COVERS 1779 TO 2000.
*** CAS REGISTRY NUMBERS FOR 4,356,237 SUBSTANCES AVAILABLE ***
*** FILE CONTAINS 7,688,486 SUBSTANCES ***

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=> s l2 ful

FULL SEARCH INITIATED 10:30:28 FILE 'BEILSTEIN'
FULL SCREEN SEARCH COMPLETED -  12424 TO ITERATE

 87.3% PROCESSED   10852 ITERATIONS                    0 ANSWERS

100.0% PROCESSED   12424 ITERATIONS                    0 ANSWERS
SEARCH TIME: 00.00.30

L7             0 SEA SSS FUL L1
```